



WATER MANAGEMENT MONTHLY REPORT

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RESERVOIR OPERATION AND SYSTEM STATUS FOR APRIL 2004

HIGHLIGHTS – Cairo stage began the month at 30.5 feet and ended at 29.9 feet and falling slowly. Most of the reservoirs with summer pools were filled during April to the summer level. Dry conditions in Indiana have prevented some projects in that state from reaching summer levels.

WEATHER –The weather during April was generally warm with varied precipitation. Temperatures averaged from normal to 3 degrees above normal. Precipitation was heavy along the Ohio River and much of Pennsylvania, West Virginia and Ohio. Indiana and Illinois had well below normal precipitation as did much of Tennessee and the southeastern edges of the basin. Drought conditions are developing in the southeastern states and is beginning spread into the upper Tennessee River basin.

TEMPERATURE AND PRECIPITATION – APRIL 2004

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	51.2	+1.3	4.49	+1.48
Charleston, WV	55.7	+1.4	4.96	+1.71
Columbus, OH	52.6	+0.6	3.96	+0.71
Cincinnati, OH	53.5	-0.2	4.50	+0.54
Louisville, KY	56.6	+0.2	5.49	+1.58
Indianapolis, IN	55.0	+3.0	1.54	-2.07
Evansville, IN	57.6	+2.1	1.91	-2.57
Nashville, TN	59.3	+0.8	6.69	+2.76

STREAMFLOW -- Ohio River monthly average flows for April ranged from a low of 80 percent of normal at Paducah, KY to a high of 128 percent of normal at Huntington, WV. Daily flows ranged from a low of 45 percent of normal at Paducah, KY to a high of 279 percent of normal at Huntington, WV.

The following table presents the flow data summary for April at the Ohio River Index Stations:

FLOW DATA – APRIL 2004

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	71,700	124	275	58
Huntington, WV	176,000	128	279	64
Cincinnati, OH	221,000	124	228	66
Louisville, KY	257,000	123	199	70
Evansville, IN	269,000	111	176	64
Paducah, KY	374,000	80	118	45

RESERVOIRS -- April began with 3.5% utilization of the total system flood control storage and ended the month at 3.0%. System-wide augmentation storage started at 97.5% at the beginning of the month and was at 97.4% by the end of the month. Significant flood storage utilization in excess of 25 percent occurred at a number of projects during the month; Union City, Conemaugh, Loyalhanna, Stonewall Jackson, Tygart, Berlin, Mosquito Creek, Atwood, Clendening, Leesville, Piedmont, Senecaville and Tappan. No project utilized in excess of 50 percent of flood control storage.

The following table depicts storage change by tributary reservoir subsystem for April:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+157,200
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+159,200
Twelvepole-Big Sandy-Little Sandy-Scioto	+95,400
Little Miami-Licking-Mill Creek-Great Miami	+44,600

Kentucky-Salt-Green-Wabash	+382,300
Cumberland	+564,100
TOTAL	+1,402,800

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